

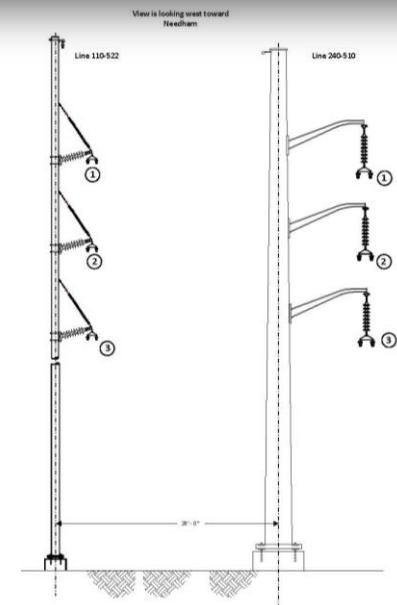
West Roxbury to Needham Reliability Project

Needham Board of Selectmen Public Meeting

November 14, 2017

- Introductions
- Overview
- Process/Project Status
- Construction & Traffic Management Plans
- Schedule Timeline
- Next Steps

- The West Roxbury to Needham Reliability Project proposes to separate the existing overhead lines between West Roxbury and Needham to improve system reliability.
- The line separation work will occur by:
 1. Relocating one set of existing wires to a new set of poles installed within the existing ROW.
 2. The separated line will exit the ROW and transition from an overhead line design to an underground line design located primarily in local streets to the Needham Substation on Chestnut Street.
- When the line separation work is complete, one of the existing overhead wires currently located between Valley Road and Needham Substation will be removed along with the support arms. The existing structures will remain along this stretch but with one less overhead wire and set of arms.

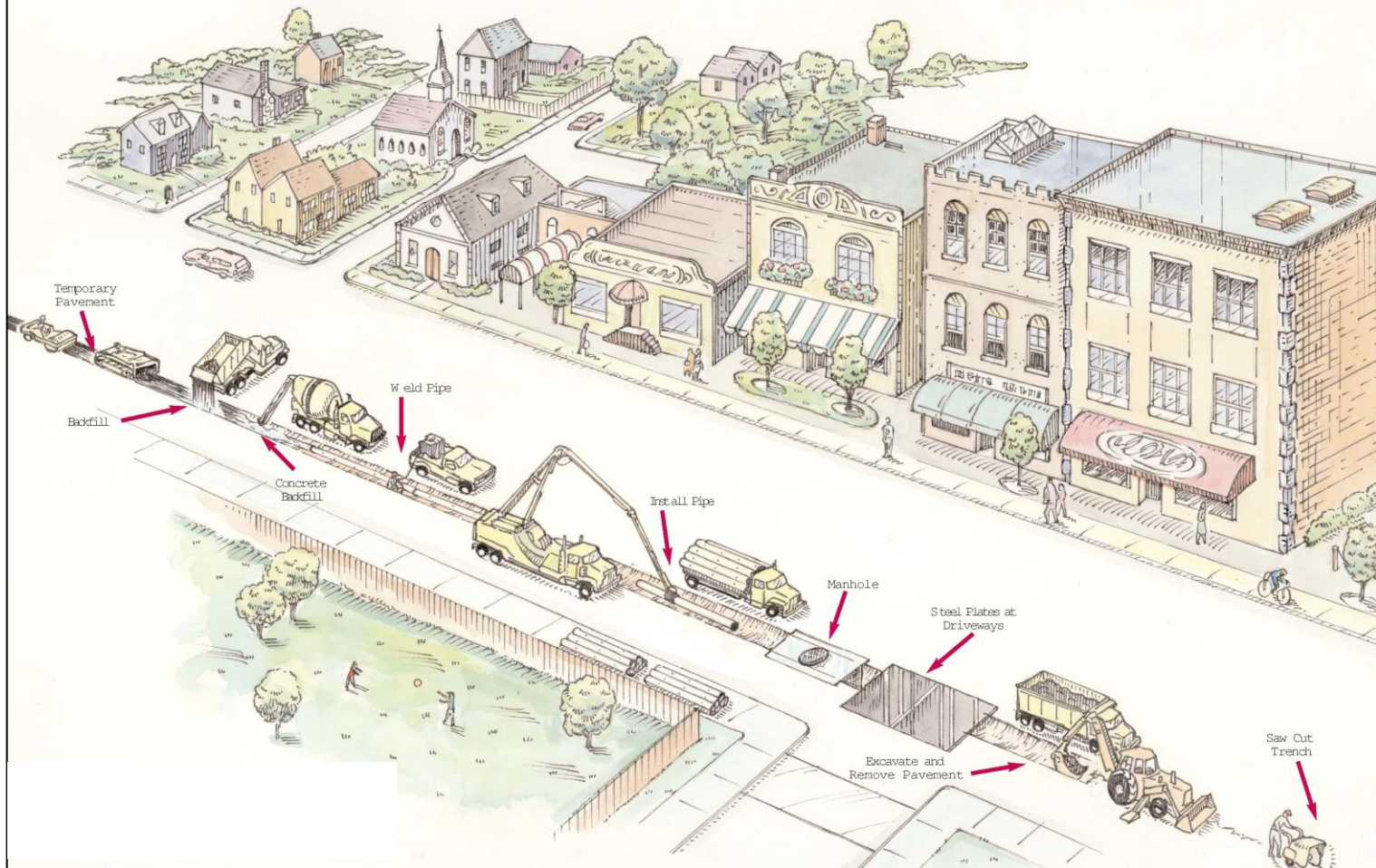


- Planning studies/identification of project need
- Development of project concept
- Preliminary approval by ISO
- Project development
 - Data collection
 - Routing analysis
 - Meeting with local officials and stakeholders
 - Open houses
 - Development of alignment plans (ongoing as permitting advances)
- EF SB Permitting
 - Application
 - Notice
 - Public Hearing
 - Information requests
 - Evidentiary Hearings
 - Briefs
 - Issuance of Decision
- Municipal Permitting
- Construction / Abutter & municipal outreach coordination (anticipated Q2 2018-Q2 2019)

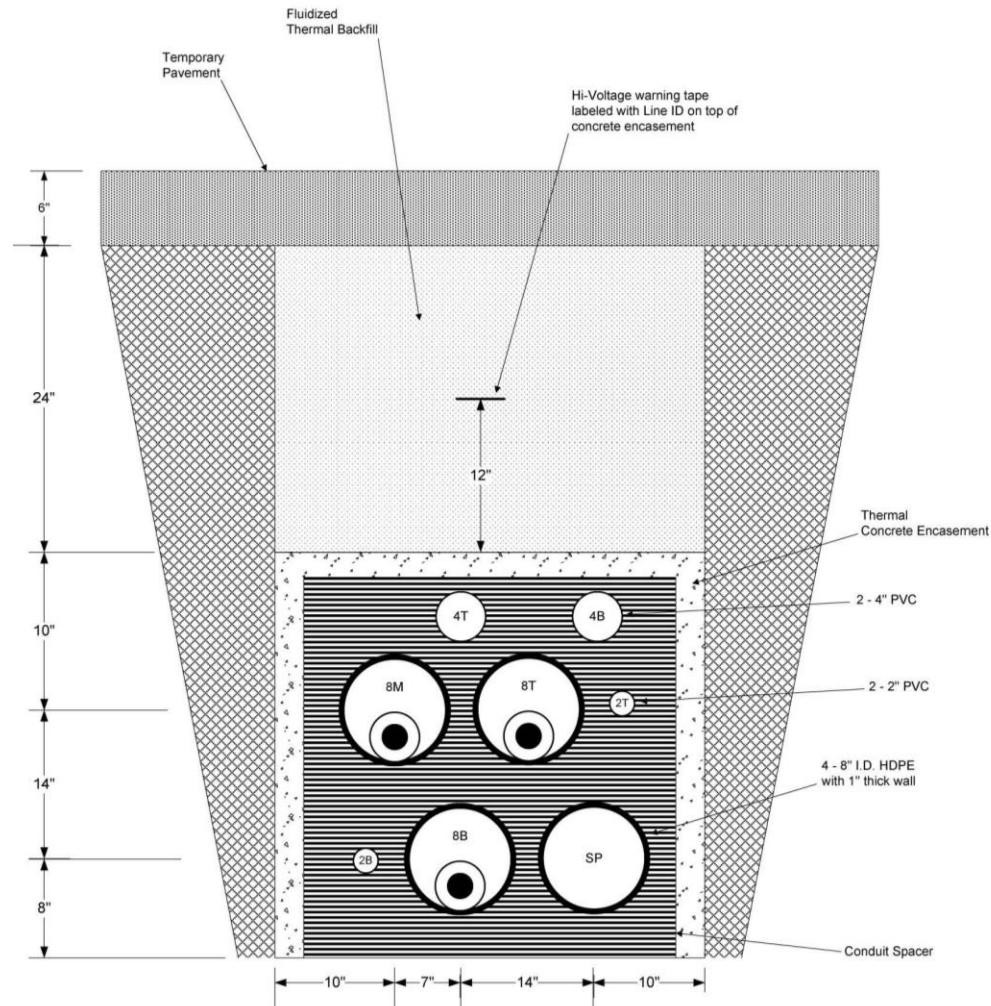
← **We are here**

Typical Construction Schedule & Duration for UG Transmission Line Work in Public Roads

Installation of Underground Electric Transmission Lines



Construction Overview: Underground Duct Bank



Typical Construction Steps



Dig Trench



Install Pipes

Typical Construction Steps



Concrete Placed



Trench Backfilled

Typical Construction Steps



Temporary Paving



Permanent Paving

West Roxbury to Needham Project Timeline*

West Roxbury to Needham Reliability Project							
	Q4	Q1	Q2	Q3	Q4	Q1	Q2
	2017	2018	2018	2018	2018	2019	2019
EFSB Review	X	X					
Project Permits	X	X					
Construction			X	X	X	X	X
In Service							X

*Subject to change

**Pending EFSB Approval

Construction: 2018/2019

In-Service Date: 2019

Managing Traffic Impacts During Construction

- Traffic Management Plan
 - ✓ Developed jointly with Municipalities, MBTA, Schools and Public Safety Officials.
 - ✓ Police details paid by Project
 - ✓ Maintain access to homes and businesses at all times
 - ✓ Hours of Construction as permitted per the Town
 - ✓ Maintain pedestrian safety
- Communicate and with neighbors and communities throughout the process by providing:
 - ✓ Door-to-door outreach
 - ✓ Informational mailings to abutters
 - ✓ Project website with progress updates
 - ✓ Project hotline and e-mail



MUTCD TEMPORARY TRAFFIC CONTROL ROAD SIGNS

W20-1	W20-2	W20-3	W20-4	M4-BA	M4-9L (CR)	M4-9L (CS)	M4-9L (SS)
R11-2	W4-2	W20-7	M4-10L	M4-10R	M4-9R (CR)	M4-9R (CS)	M4-9R (SS)
R11-4	R3-7	R9-10					

POWER ENGINEERS
www.powereng.com

REVISIONS DURING CONSTRUCTION							
NO.	DATE	BY	CHK	APP	DATE	BY	CHK
1	10-28-13				ISSUED FOR REVIEW	BNF	LH
2	10-28-13				ISSUED FOR REVIEW	BNF	LH
3	10-28-13				ISSUED FOR REVIEW	BNF	LH
4	10-28-13				ISSUED FOR REVIEW	BNF	LH

Northeast Utilities Service Co.
CONNECTICUT LIGHT & POWER COMPANY

LINE 1151 SOUTH END - GLENBROOK
115-KV UNDERGROUND TRANSMISSION LINE
TRAFFIC CONTROL GENERAL NOTES
STAMFORD, CONNECTICUT

DATE	BY	DATE	BY	DATE	BY
06-21-2013	BNF	06-21-2013	LH	06-21-2013	BNF
06-21-2013	BNF	06-21-2013	LH	06-21-2013	BNF
06-21-2013	BNF	06-21-2013	LH	06-21-2013	BNF

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Stakeholders:

- Municipality, and appropriate state and federal elected officials and regulators
- Property owners & tenants
- Businesses
- Community Groups

Communication tactics:

- Briefings & Presentations
- E-mail updates

Public:

- Project e-mail
- Transmission 1-800 Hotline
- Community Open Houses
- News Releases/Media Advisories
- Customer Letters
- Doorhangers



- EFSB Decision anticipated Q1 2018
- Prepare materials for grants of location and street opening permits / advance project plans in consultation with town officials:
 - Final engineered drawings
 - Traffic Management Plans
 - Work hours
 - Post-construction restoration plans
- Continue discussions with town officials, residents and other stakeholders regarding the proposed project and steps that will be taken to avoid and minimize impacts to the community

PROJECT HOTLINE: 1-800-793-2202

Email: TransmissionInfo@eversource.com